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Art Unit: 2623

Please amend the present application as follows:

Specification

The following is a copy of portions of Applicants' specification that identifies language being added with underlining ("___") and language being deleted with strikethrough ("—"), as is applicable:

In the paragraph beginning on page 33, line 19:

The DHCT storage device 373 is assigned a single parent directory to store all hyper-linked media objects, as illustrated in the block diagram of the example data structure of FIG. 9. This directory is named appropriately, for instance, "program media objects" or "phlmo" (for program hype-linked media objects). Under the parent directory, each service in the TV channel line-up has a respective directory ~~910~~810 named by the service short description in the SAM, e.g. WNBC or HBO. The service directory ~~910~~810 indicated in FIG. 9 includes Service XXXX, with the understanding that services exist before and after XXXX with a comparable data structure. Alternatively, each service can be assigned a parent directory such as phlmo.XXXX. Under a service's respective directory exist multiple sub-directories ~~920~~820, each respectively named to a time increment relative to the current corresponding time. For example, when a fifteen-minute increment is the time granularity employed to organize access to hyper-linked media objects and the delta-time window is an hour, the subdirectories ~~920~~820 under a service directory can be time.0000, time.m015, time.m030, time.p015, time.p030, time.p045, and time.p060. Herein, a fifteen-minute increment of time is used for exemplary purposes but a finer or coarser increment of time can be employed. The subdirectory time.0000 serves as the sub-directory to find all hyper-linked media objects

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effective for the current fifteen-minute increment of time. Hence, during the current fifteen-minute increment of time, a software application (such as WatchTV 362) can access the content of this subdirectory to find the hyper-linked media objects that are effective with the program being shown by the service provided on the respective channel shown on the TV display. Sub-directory time.m015 contains access to all the hyper-linked media objects that were effective in the prior fifteen-minute increment of time and time.p015 contains access to all the hyper-linked media objects that will be effective in the next fifteen-minute increment of time. Likewise, the other subdirectories 920-820 reflect a name for a respective fifteen-minute increment in relation to the current time. Because the delta-time window in this example is 60 minutes, during the current fifteen-minute increment of time, information destined to be effective 60 minutes from the current time is received from the cable TV network via DHCT in-band tuner 345 (FIG. 4) or downstream out-of-band channel interface 108 (FIG. 4), buffered in memory 112, and transferred to DHCT storage device 373 (FIG. 4). In particular, information is deposited to and organized within subdirectory time.p060 during the current fifteen-minute time increment.

In the paragraph beginning on page 34, line 13:

A software application, such as the WatchTV application 362, keeps track of one of two states within the current fifteen-minute time increment (i.e, time.0000 sub-directory). A first-state named file 930-830 within the current fifteen-minute time increment contains in its contents the name (in ASCII or Unicode format) of the file or directory 935-835 in the local physical storage device (for example, storage device 373) in which to find the hyper-linked media objects associated with the program showing in the currently tuned TV service that are

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effective during the current fifteen-minute increment of time. Hence, the content of this file serves as an indirection in where to access the media objects. A second-state ~~944-840~~ named within the current fifteen-minute time increment (i.e, time.0000 sub-directory) contains in its content the name of the file or directory ~~945-845~~ in the local physical storage device in which to find the hyper-linked media objects associated with the program showing in the currently tuned TV service for the subsequent fifteen-minute time increment. This second-state named file ~~945-845~~ must be re-written with new content prior to the expiration of the current fifteen-minute time increment. The software application knows to access the alternate state file from one fifteen-minute time increment to the next and thus ping-pongs between them as time progresses. Future time increments, such as sub-directories time.m015, time.m030, time.p015, time.p030, time.p045, and time.p060, only contain a single state named file and thus do not require dual state-named files.

In the paragraph beginning on page 34, line 30:

The content of the accessed state file yields a file (or directory) (~~935-835~~ and ~~945845~~) in which to find a table with entries (not shown) that are effective for a fifteen-minute increment of time. The table contains a header with multiple data fields. A first data field, for instance fixed-length field such as byte field, in the header contains table status. A reserved value, such as "00" hexadecimal, denotes that the table is ~~associates~~ associated with a service that does not contain hyper-linked media objects. A second fixed-length field in the header of the table represents the number of entries. The table's header concludes with a list of fixed-length data fields, each the number of bytes (or addresses in memory) for which to offset from the beginning of the table to obtain the respective entry in the table. Each table

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entry contains multiple data fields. A first data field is a fixed-length field, such as a single byte, indicating status of the media object associated with this entry. A reserved value, such as "00" hexadecimal for this byte field denotes that the media object associated with this entry will no longer be used in future fifteen-minute increments of time and thus its storage capacity can be designated for re-assignment (or to be written over). Another reserved value such as "FF" hexadecimal denotes that the media object associated with this entry will be used in future fifteen-minute increments of time and thus must not be written over in storage. A second data fixed-length field is used to indicate the type of media object associated with this entry. A third data field of variable length, and hence the requirement for offsets to the beginning of each entry in the table's header, contains the sub-directory path and file name in which the actual hyper-linked media object is found in the storage device.

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